



CHARTER of the
VIDEO AND IMAGE ANALYTICS INTERAGENCY WORKING GROUP

SUBCOMMITTEE ON NETWORKING AND INFORMATION TECHNOLOGY RESEARCH AND
DEVELOPMENT
COMMITTEE ON TECHNOLOGY
NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

A. Official Designation

The Video and Image Analytics (VIA) Interagency Working Group (IWG) is hereby established by action of the Subcommittee on Networking and Information Technology Research and Development (NITRD) of the National Science and Technology Council (NSTC) Committee on Technology (CoT)¹.

B. Purpose

The purpose of the Video and Image Analytics Interagency Working Group (VIA IWG) is to foster interagency collaboration, strategic outreach, and the creation of a joint Federal strategy for R&D related to visible world video and image analytic technologies. Video Analytics (VA) is an emerging technology area focused on: automating the laborious task of monitoring live streams of video; optimizing the encoding, transmission, and storage of video; providing timely alerts; and making the task of managing, organizing, and searching enormous archives of video more tractable. Technology needs related to the analysis of visible-world video and still images span the entire Federal Government.

C. Objectives

- Conduct strategic outreach and develop and maintain an Interagency Strategy for Research and Development (R&D) in Visible World Image and Video Analytic Technologies:
 - Survey the Federal community to develop an understanding of current and planned R&D activities.
 - Develop task forces/deep dives/novel communities in strategically important areas to inform the interagency strategy:
 - Create VIA Standards Task Force to identify cross-cutting standards priorities and needs and develop recommendations.

¹ The NSTC/CoT/NITRD was originally chartered on December 10, 1991. The most recent charter was signed July 10, 2013.

- Develop Video Analytics in Public Safety (VAPS) Community of Interest to identify strategic R&D, measurement, standards, and coordination priorities for the development and use of video analytics in public safety applications.
- Develop a clear, concise, and robust strategic plan document with broad Federal consensus that will help guide Federal R&D activities in VIA technologies for the next 5-10 years.
- Develop interagency recommendations based on the goals and objectives identified in the strategic plan.
- Facilitate the exchange of knowledge, coordination of R&D, and collaboration within the Federal Government on cross-cutting Federal technology needs as well as effectively engaging non-Federal stakeholders on emerging national needs and the state-of-the-art.
 - Foster interagency knowledge exchange and collaboration through agency briefs and topical discussions. Help all participating agencies develop a robust understanding of the state-of-the-art, available resources, and Federal R&D gaps and opportunities.
 - Coordinate and facilitate collaboration across Federal agencies as appropriate on emerging issues of national importance. Foster the development of interagency deep-dives in emerging national priorities related to video and image analytic technologies.
 - Engage government stakeholders at the state, local, and tribal levels to identify crosscutting national needs and priorities for research, measurement, collaboration, and standards related to video and image analytics (e.g., Public Safety Community).
 - Engage external stakeholders from academia, industry, national labs and research organizations, users/practitioner communities, the standards community, and the international research community in invited briefs, workshops, reports, and surveys as appropriate to comprehend the state-of-the-art and external drivers, needs, and landscape.

D. Functions

The VIA IWG shall perform the following functions:

- Across-agency coordination:
 - Coordinate and collaborate across Federal agencies, other NITRD bodies, and other NSTC committees as appropriate on issues of mutual interest.
 - Develop and maintain strong and forward-looking agendas that represent the current and future evolution of Information Technology Research and Development (IT R&D).
 - Identify interagency and cross-cut opportunities for collaboration, coordination, and leveraging among agencies in specific areas in IT R&D.
 - Provide a forum for agencies to exchange program-level information about agency activities (Annual Planning Meeting or Data Call).

- Select and maintain collegial leadership and dynamic membership.
- Work with the NITRD Program:
 - Develop, maintain, and periodically update interagency short-, mid-, and/or long-range strategic plans and priorities.
 - Participate and support NITRD outreach (workshops, conferences, and other meetings) to support the IWG's agenda.
 - Prepare and maintain an active charter with a specific purpose and objectives.
 - Provide inputs to NITRD's annual Supplement to the President's Budget.
 - Provide inputs to NITRD's annual Activities Report summarizing the IWG's activities.
 - Schedule and participate in regularly scheduled and ad hoc meetings, and maintain documentation of the meeting discussions.
- Work with other stakeholders
 - Assist and support the NITRD Subcommittee in responding to the recommendations of the President's Council of Advisors on Science and Technology (PCAST), and responding to inquiries from NSTC, Office of Science and Technology Policy (OSTP), Office of Management and Budget (OMB), and Congress.
 - Provide inputs to NSTC strategic and Federal Plans when requested.

E. Membership

The following NITRD Member agencies are represented on the VIA IWG²:

- Department of Commerce;
- Department of Defense;
- Department of Health and Human Services;
- Department of Homeland Security;
- Department of Justice;
- National Aeronautics and Space Administration; and
- National Science Foundation.

The following components of the Executive Office of the President may also be represented on the VIA IWG:

- Office of Management and Budget; and
- Office of Science and Technology Policy.

² Changes to membership may occur without requiring a charter amendment. After charter ratification, membership and changes to membership may be tracked in a separate document.

Federal departments, agencies, and councils that participate in the VIA IWG's activities include:

- Department of Agriculture;
- Department of the Interior;
- Department of Transportation;
- Department of Veterans Affairs;
- General Services Administration;
- Office of the Director of National Intelligence; and

such other Executive organizations, departments, and agencies as the NITRD Subcommittee or IWG Co-chairs may designate as appropriate.

F. Leadership

The Co-Chairs of the VIA IWG shall be named and approved by the NITRD Subcommittee Co-chairs.

G. Private-Sector Interface

The Video and Image Analytics Interagency Working Group may work with appropriate private-sector³ entities, including the President's Council of Advisors on Science and Technology (PCAST), and will recommend to the NITRD Subcommittee the nature of any additional advice needed to accomplish its mission. The VIA IWG may interact with and receive *ad hoc* advice from various private-sector groups, consistent with the Federal Advisory Committee Act.

H. Resources

The NITRD NCO shall provide project management, technical, information technology/networking, and administrative support services to the VIA IWG as part of its responsibilities to the NITRD Subcommittee.

I. Termination

Unless renewed by the Co-chairs of the NITRD Subcommittee prior to its expiration, the VIA IWG shall terminate no later than December 30, 2017.

³ The Federal Advisory Committee Act, 5 U.S.C. App., as amended, does not explicitly define "private sector", but the phrase is generally understood to include individuals or entities outside the Federal government such as, but not limited to, the following: non-Federal sources, academia, State, local or tribal governments, individual citizens, the public, non-governmental organizations, industry associations, and international bodies.

J. Determination

I hereby determine that the establishment of the Video and Image Analytics Interagency Working Group is in the public interest in connection with the performance of duties imposed by the Executive Branch by law, and that such duties can be performed through the advice and counsel of such a group.

Approved:

Keith A. Marzullo, Ph.D. 3/1/16
Co-chair
Subcommittee, Networking and Information
Technology R&D

James Kurose, Ph.D. 3/2/16
Co-chair
Subcommittee, Networking and Information
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